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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION N
09/918,634	08/01/2001	Yoon-Hyoung Cho	247/033	3246
75	90 07/30/2003			
Lee & STERBA, P.C. Suite 2000 1101 Wilson Boulevard			EXAMINER	
			PATEL, ASHOK	
Arlington, VA	22209		ART UNIT	PAPER NUMBER
		•	2879	
			DATE MALLED AT AD ADA	

Please find below and/or attached an Office communication concerning this application or proceeding.

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	Appli	cation No.	Applicant(s)	
Office Antique O		18,634	CHO ET AL.	
Office Action Summa	Exam	iner	Art Unit	
		Patel	2879	
The MAILING DATE of this co	mmunication appears o	n the cover shee	t with the correspondence addre	!ss
A SHORTENED STATUTORY PER THE MAILING DATE OF THIS COM - Extensions of time may be available under the pr after SIX (6) MONTHS from the mailing date of tf - If the period for reply specified above is less than - If NO period for reply is specified above, the max - Failure to reply within the set or extended period - Any reply received by the Office later than three r earned patent term adjustment. See 37 CFR 1.76 Status	IMUNICATION. ovisions of 37 CFR 1.136(a). In a his communication. thirty (30) days, a reply within the imum statutory period will apply a for reply will, by statute, cause the nooths after the mailing date of the	no event, however, ma e statutory minimum o and will expire SIX (6)	y a reply be timely filed f thirty (30) days will be considered timely. MONTHS from the mailing date of this comme	unication.
1) Responsive to communication	n(s) filed on <u>08 October</u>	2002 and 26 M	larch 2003 .	
2a) ☐ This action is FINAL .	2b)⊠ This actio			
Since this application is in collision closed in accordance with the Disposition of Claims	ndition for allowance ex practice under Ex part	cept for formal e Quayle, 1935	matters, prosecution as to the n C.D. 11, 453 O.G. 213.	nerits is
4)⊠ Claim(s) <u>1-4</u> is/are pending in	the application.			
4a) Of the above claim(s)	_ is/are withdrawn from	consideration.		
5) Claim(s) is/are allowed.				
6)⊠ Claim(s) <u>1-4</u> is/are rejected.				
7) Claim(s) is/are objected	l to.			
8) Claim(s) are subject to	restriction and/or election	on requirement.		
Application Papers	,	1		
9)☐ The specification is objected to	by the Examiner.			
10)☐ The drawing(s) filed on is	s/are: a)□ accepted or b) objected to b	y the Examiner.	
Applicant may not request that a				
11) The proposed drawing correction	n filed on is: a)[approved b)	disapproved by the Examiner.	
If approved, corrected drawings	· ·			
12)☐ The oath or declaration is objec	ted to by the Examiner.			
Priority under 35 U.S.C. §§ 119 and 12	0			
13) Acknowledgment is made of a	claim for foreign priority	under 35 U.S.	C. § 119(a)-(d) or (f).	
a) ☐ All b) ☐ Some * c) ☐ None	e of:			
 Certified copies of the pr 	iority documents have t	oeen received.		
2. Certified copies of the pr	iority documents have t	oeen received ir	Application No	
 3. Copies of the certified control application from the stacked detailed Office 	International Bureau (P	CT Rule 17.2(a)	en received in this National Sta l). of received	ge
14) ☐ Acknowledgment is made of a cl				nlication)
a) ☐ The translation of the foreign 15)☐ Acknowledgment is made of a c	gn language provisional	application has	been received.	siloation).
Attachment(s)	•	_ = = = = = = = = = = = = = = = = = = =	JU :	
1) Notice of References Cited (PTO-892) 2) Notice of Draftsperson's Patent Drawing Rev 3) Information Disclosure Statement(s) (PTO-14)		4) Intervie 5) Notice 6) Other:	ew Summary (PTO-413) Paper No(s) of Informal Patent Application (PTO-15	2)
.S. Patent and Trademark Office PTO-326 (Rev. 04-01)	Office Action Sum	mary	Part of Paper No. 8	

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- 1. Applicant's arguments with respect to claims 1-4 have been considered but are moot in view of the new ground(s) of rejection.
- 2. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless -

- (b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.
- 3. Claims 1-4 are rejected under 35 U.S.C. 102(b) as being clearly anticipated by Kawamura et al ('321, of record).

Kawamura et al disclose applicant's claimed CRT (see
Figures 1, 2) including a flat panel (1), a funnel having a neck
and an opening, an electron gun (7), a deflection yoke (9), a
shadow mask (6), wherein the panel includes a flatly configured
outer (front) surface (11) and an inner surface (the surface
that is adjacent to a phosphor layer 10) having a non-spherical,
convexly curved configuration relative to the outer surface
which would inherently satisfying applicant's claimed formula of
Y1 ≤ Y2, wherein Y1 represents a vertical distance between the
outer surface and a reflected screen image on a central axis of

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the panel, and Y2 represents a vertical distance between the outer surface and the refracted screen image in peripheral areas other than the central axis of the panel.

As to claims 2 and 4, these claims recite a functional limitation of high transmission ratio of \geq 60%, which is narrative in form and does not include any positive structure.

Consequently, Kawamura anticipate applicant's claims 1-4.

4. Claims 1-4 are rejected under 35 U.S.C. 102(b) as being clearly anticipated by Makoto (JP '710, of record).

Makoto et al disclose applicant's claimed CRT (see all drawing Figures) including a flat panel, a funnel having a neck and an opening, an electron gun, a deflection yoke, a shadow mask, wherein the panel includes a flatly configured outer (front) surface (11) and an inner surface (2) having a nonspherical, convexly curved configuration relative to the outer surface which would inherently satisfying applicant's claimed formula of Y1 \leq Y2, wherein Y1 represents a vertical distance between the outer surface and a reflected screen image on a central axis of the panel, and Y2 represents a vertical distance between the outer surface and the refracted screen image in peripheral areas other than the central axis of the panel.

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As to claims 2 and 4, these claims recite a functional limitation of high transmission ratio of ≥ 60%, which is narrative in form and does not include any positive structure.

Consequently, Makoto anticipate applicant's claims 1-4.

5. The nonstatutory double patenting rejection is based on a judicially created doctrine grounded in public policy (a policy reflected in the statute) so as to prevent the unjustified or improper timewise extension of the "right to exclude" granted by a patent and to prevent possible harassment by multiple assignees. See In re Goodman, 11 F.3d 1046, 29 USPQ2d 2010 (Fed. Cir. 1993); In re Longi, 759 F.2d 887, 225 USPQ 645 (Fed. Cir. 1985); In re Van Ornum, 686 F.2d 937, 214 USPQ 761 (CCPA 1982); In re Vogel, 422 F.2d 438, 164 USPQ 619 (CCPA 1970); and, In re Thorington, 418 F.2d 528, 163 USPQ 644 (CCPA 1969).

A timely filed terminal disclaimer in compliance with 37 CFR 1.321(c) may be used to overcome an actual or provisional rejection based on a nonstatutory double patenting ground provided the conflicting application or patent is shown to be commonly owned with this application. See 37 CFR 1.130(b).

Effective January 1, 1994, a registered attorney or agent of record may sign a terminal disclaimer. A terminal disclaimer signed by the assignee must fully comply with 37 CFR 3.73(b).

6. Claims 1-4 are rejected under the judicially created doctrine of obviousness-type double patenting as being unpatentable over claims 1-12 of U.S. Patent No. 6,459,196.

Although the conflicting claims are not identical, they are not patentably distinct from each other because claims 1-12 of U.S. Patent No. 6,459,196 recite applicant's claimed flat panel CRT including: configuration of inner and outer surfaces,

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relationship between Y1 and Y2, transmission ratio, as what are now being recited in instant claims 1-4.

- 7. Claims 1-4 are rejected under the judicially created doctrine of double patenting over claims 1-14 of U. S. Patent No. 6,160,344. Although the conflicting claims are not identical, they are not patentably distinct from each other because claims 1-14 of U.S. Patent No. 6,160,344 recite applicant's claimed flat panel CRT including: configuration of inner and outer surfaces, relationship between Y1 and Y2, transmission ratio, as what are now being recited in instant claims 1-4.
- 8. Claims 1-4 are provisionally rejected under the judicially created doctrine of obviousness-type double patenting as being unpatentable over claims (a) 1-30 of copending Application No. 09/982,984; and (b) 1-27 of copending Application No. 09/983,003. Although the conflicting claims are not identical, they are not patentably distinct from each other because each of these two co-pending applications recites applicant's claimed flat panel CRT including: configuration of inner and outer surfaces, relationship between Y1 and Y2, transmission ratio, as what are now being recited in instant claims 1-4.

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This is a <u>provisional</u> obviousness-type double patenting rejection because the conflicting claims have not in fact been patented.

9. Please note that previously submitted terminal disclaimer (filed on October 08, 2002) is not acceptable since U.S. Patent number 6,163,686, as cited in that terminal disclaimer belongs to a different assignee. The U.S. Patent 6,163,686 is not owned by the same assignee.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Ashok Patel whose telephone number is 703-305-4934. The examiner can normally be reached on Monday-Thursday.

Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the receptionist whose telephone number is 703-305-4900.

Ashok Patel
Primary Examiner
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